



Monterey Bay National Marine Sanctuary

Sanctuary Office Report



Volume 5, Number 2

A REPORT FOR THE SANCTUARY ADVISORY COUNCIL MEMBERS

REPORTING PERIOD: FEBRUARY 11, 2008 – APRIL 14, 2008

ABOUT THE SANCTUARY

Designated in 1992, the Monterey Bay National Marine Sanctuary (MBNMS or Sanctuary) is a federally protected marine area offshore of California's central coast. Stretching from Marin to Cambria, the MBNMS encompasses a shoreline of 276 miles and 5,322 square nautical miles of ocean.

Supporting one of the world's most diverse marine ecosystems, it is home to numerous mammals, seabirds, fishes, invertebrates and plants in a remarkably productive coastal environment. The MBNMS was established for the purpose of resource protection, research, education and public use of this national treasure.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) AND NATIONAL MARINE SANCTUARY PROGRAM (NMSP) NEWS

NBC Nightly News Reports on the Boston Shipping Lanes

David Wiley was interviewed by Anne Thompson, environmental reporter for NBC Nightly News about sanctuary research leading to the shift in the Boston shipping lanes. The story was a companion piece to another environmental story about the status of the world's oceans. The segment, showcasing a positive aspect of ocean management, aired on Thursday, Feb. 14.

Management and Protection of the *Monitor* Collection Extended for another 10 Years

The Monitor National Marine Sanctuary offices received the final, fully executed amendment to the Programmatic Agreement for the Management and Protection of the Monitor Collection from the

Advisory Council for Historic Preservation (ACHP). The Amendment extends the agreement for an additional ten years from its original expiration date this year. The agreement was signed by the State of Virginia, The Mariners' Museum, NOAA's National Marine Sanctuary Program and the ACHP. By renewing and fulfilling this agreement, NOAA has met its responsibilities under Section 106 and 110 of the National Historic Preservation Act and the ACHP's regulations.

Immersion Presents Monterey Bay Media Coverage Hit All Bases

ONMS provided on-site media coordination for the Immersion Presents Monterey Bay mission March 2-7, 2008 in Monterey Bay National Marine Sanctuary. Sarah Marquis, ONMS Communications, was the media contact at the site for the Immersion partnership, working with MBNMS and mission staff on local and regional media coverage. ONMS' Kate Thompson and MBNMS' Dawn Hayes and Steve Lonhart were interviewed by all media and provided excellent quotes for news stories. Personal coordination with individual reporters yielded mission coverage by all four networks: ABC and FOX San Francisco and NBC and CBS in Monterey. Extended length news stories ran on the March 3 evening and late night news as well as morning and weekend repeat coverage. The Monterey Herald newspaper ran a March 4 "B" section color cover feature and a photo feature ran March 6 in the Santa Cruz Sentinel. March 5, KAZU radio, the NPR station, sent a reporter on the Fulmar for a day at sea with the mission, yielding a detailed report on March 7. With the promotion of the Oceanslive.org and Immersionpresents.org Internet sites, the mission was covered on television, radio, print and the Web, reaching millions of students and citizens with NOAA ONMS ocean stewardship messages. Comparable advertising value for the exposure is estimated up to \$1,000,000.

NATIONAL MARINE SANCTUARY NEWS

Channel Islands NMS

Channel Islands Advisory Council Forms a Subcommittee on Weather Buoys: On March 14, 2008, the Channel Islands National Marine Sanctuary Advisory Council (council) decided to form a subcommittee to address the impending loss of two weather buoys from the Santa Barbara Channel. The council received an update from Eric Boldt, Warning Coordination Meteorologist, National Weather Service Los Angeles/Oxnard, regarding the likely loss of two of the weather buoys in the channel. The council is concerned about safety issues for mariners if the buoys are removed. Mariners frequently rely on data from the buoys for safe voyage in the channel, which is subject to high winds, swell, and rapidly changing conditions. These buoys also improve local weather forecasting and physical oceanographic modeling of the sanctuary region. The subcommittee will draft a letter of support, to be presented at the May 30th, 2008 council meeting, requesting that funding be allocated to maintain and repair the buoys.

Florida Keys NMS

Scientists, Managers Examine Research to Better Predict Algae Blooms

On Friday, March 14, more than 40 scientists and managers gathered for a public algae bloom workshop hosted by the Florida Keys National Marine Sanctuary. The impetus for the meeting was the ongoing algae bloom in south central Florida Bay which appears to be mimicking the large bloom of the early 1990s. Workshop participants included representatives from academia, NGOs and state and federal entities who presented on past and ongoing research related to prediction of blooms, water quality issues and ecosystem restoration. FKNMS objectives included examining sea grass restoration strategies during bloom episodes. Workshop discussions may help inform and shape assessment strategies and response plans to better predict and minimize adverse affects of these blooms. A summary of presentations and discussions will be given at the April 15 Sanctuary Advisory Council meeting and at the public workshop to be held from 6-8pm that evening at the Key Largo Marriott.

Flower Gardens Bank NMS

NOAA Ocean Discovery Day A Hit With Community

The Flower Garden Banks National Marine Sanctuary partnered with the NOAA Fisheries Service Galveston Laboratory to sponsor the 2nd annual NOAA Ocean Discovery Day on March 8, 2008. The event is designed to engage residents and visitors in fun, creative, and educational activities that illustrate how NOAA programs are relevant to the community. A local councilman was among the approximately 500 local residents and visitors who toured the exhibits and participated in the activity stations. From the sanctuary exhibits, adults learned about recent research in the sanctuary, proposed boundary expansions, and how they can participate in the management plan review process. Children enjoyed learning about the sanctuary through hands-on activities like creating a model of the annual mass coral spawning, finding the differences between photos from the long-term monitoring program, and how to draw cartoon versions of fish that live in the sanctuary. The youngest guests learned about oceans through story time and puppet action. Each family received a free re-usable bag and an explanation of how they can use it to reduce marine debris. The bags were part of the Sanctuary Advisory Council's Blues Seas, Green Communities project. Forty-five sanctuary volunteers, including a Scout Troup, a high school surf club, and students from two Texas A&M University campuses joined staff in making the event a success. Other NOAA programs participating in the event included all of the Fisheries Service departments, the Ocean Service Physical Oceanographic Real-Time System (PORTS), Office of Law Enforcement, and the Marine Mammal Stranding Network.

Papahānaumokuākea Marine National Monument

2008 Astronaut Ellison Onizuka Science Day in Hilo

January 26th was Ellison Onizuka Science Day at the University of Hawaii at Hilo's campus center. This annual science fair is held in honor of Colonel Ellison Onizuka an astronaut from Kona, who perished in the *Challenger* explosion. Various organizations, including the Monument, displayed scientific equipment unique to their line of work providing examples of science in action. Mokupapapa's display featured a teeth-matching game with reef fish, a Laysan albatross bolus examination, and a live seaweed viewing under a stereo-microscope. Yumi Yasutake and volunteer Meghan Rau served as the site interpreters for the exhibit.



MONTEREY BAY NATIONAL MARINE SANCTUARY NEWS AND PROGRAM UPDATES



MANAGEMENT

On February 11, personnel from MB, GF, and CBNMS attended a technical training aboard *R/V FULMAR*. Scientific equipment such as the Simrad EK60, GPS units, and the SeaKeepers data collection system were covered, and plans were made to create SOPs and instructions for most of the technical equipment aboard.

On March 17, Monterey Bay, Gulf of the Farallones and Cordell Bank National Marine Sanctuaries met for a joint staff meeting at the Elkhorn Slough National Estuarine Research Reserve. The 47 members in attendance worked in small groups divided up by teams, such as Education, Operations, Research and Resource Protection, to discuss common issues before reconvening as a large group to discuss these issues as a whole.

RESEARCH AND MONITORING

During the week of February 4-8, Jean de Marignac, SIMoN Scientist, presented a poster at the 15th Western Groundfish Conference in Santa Cruz, California. The poster entitled, "Recovery of Microtopographic Structure and Associated Taxa in Areas Open and Closed to Bottom Trawling Along the Central California Coast," was a collaborative research effort of the Monterey Bay National Marine Sanctuary with the Institute for Marine Ecology at California State University Monterey Bay and the National Center for Coastal Ocean Science. In June 2006, a multi-year study within, and adjacent to, two new Essential Fish Habitat closures was initiated. Video and still photographic data of the seafloor were used to quantify the abundance, richness, and diversity of seafloor microhabitats and fauna at recovering and actively fished sites. Analyses of videographic data indicated that biogenic mound and biogenic depression microhabitats were significantly more abundant in the closed area when compared to an area that is actively fished. Each of these features provides structure with which fishes across a wide range of size classes have been observed to associate. Invertebrates abundance was significantly different between treatments, which was likely attributable to lower densities at trawled sites. The presence of differences between treatments that are consistent with impacts from trawling, after a short period of time, is instructive and warrants further study.

On February 12, SIMoN staff met with Sidney Snider from the Husbandry Department of the Monterey Bay Aquarium. Sidney contacted staff regarding her discovery of a benthic hydrozoan medusa in a plankton sample that she was not familiar with. Upon further research, Snider determined this species was *Eleutheria dichotoma*, which to our knowledge has not been documented on the California coastline before. With only one specimen, she didn't expect to have it for very long, but it turns out to be a very prolific, asexually budding off offspring in as little as 9 days. Although Snider has not seen this species at the commercial wharf in Monterey (where the original plankton sample came from) since this discovery, it is almost certainly present. Unfortunately, this is a very inconspicuous hydrozoan - the adult is only about 1 mm in diameter, so it will be nearly impossible to detect while SCUBA diving.

Staff completed a report, "Damage assessment and site characterization of the rocky shore following the grounding and recovery of the *F/V Lou Denny Wayne*." The fishing vessel grounded on the rocky shore ~1.4 miles SE of Pigeon Point, CA November 29, 2007. Sanctuary staff surveyed the area on three occasions to assess damages to the rocky shore and to characterize the area. SIMoN staff will revisit the site to monitor recovery and naturally induced changes.

On February 16, MBNMS Sea Grant Fellow Hugo Selbie attended the first historical ecology session '*The unnatural history of the sea*' held at the annual American Association for the Advancement of Science (AAAS) meeting in Boston, MA. The session focused on Historical ecology studies that have been conducted in both Stellwagen Bank NMS and Florida Keys NMS. Historical ecology is a relatively new form of science that involves looking at historical source data such as fisheries reports, ships logs, midden data, etc., to ascertain past abundances of species and associated functions of the ecosystem. The data represents a window to past ecosystems and the unique local cultural heritage that utilized these resources. This information is vital regarding future resource management decisions.

Recently SIMoN staff have fielded questions from NOAA's IOOS Program Office (IPO) in regards to using the Obs Registry system for reporting on ocean observing capacities in US waters and for planning future IOOS funding efforts. SIMoN staff, who have built and maintain this national database of non-Federal real-time observing assets, have created several Obs Registry data products that have become critical to the IOOS Program Office's capacity for reporting on observing activities to NOAA management. In addition to a web-based Google map showing location of observing assets, SIMoN has generated a Microsoft Excel file that will refresh with the latest Obs Registry data each day and graph the type and number of observing instances. SIMoN's work on the Obs Registry is funded through a 2-year NOAA IOOS grant.

During the week of March 24th, Monterey Bay National Marine Sanctuary (MBNMS) and West Coast Regional (WCR) staff successfully completed a Marine Operations Certification Course (MOCC) held at the University of California at Santa Cruz. Developed by the Department of the Interior for Federal employees, the MOCC course combines class instruction with in-field operations of multiple Class A and class 1 boats in the marine environment. Chad King, Steve Lonhart, Jean de Marignac, Josh Pederson (MBNMS), Lorraine Anglin (WCR), and one Department of Defense employee spent five days learning various aspects of safe boating, including fire suppression, abandoning ship and donning survival suits, navigation by charts and GPS, man overboard retrieval, maneuvering in tight spaces, and vessel operation in moderately poor seas. All participants improved their knowledge of safe boating practices, gained valuable hands-on experience for small boat operations, and are now certified through DOI to operate Federal small boats.

On April 2, 2008 Sanctuary Integrated Monitoring Network (SIMoN) staff attended a meeting at Elkhorn Slough regarding the Tidal Wetland Plan (TWP). The TWP is a collaborative effort to develop and implement strategies to conserve and restore estuarine habitats in the Elkhorn Slough watershed. It involves over a hundred coastal resource managers, representatives from key regulatory and jurisdictional entities, leaders of conservation organizations, scientific experts and community members. During this meeting, consulting teams (including Philip Williams and Associates) presented the engineering concept designs and habitat predictions, focusing on tidal exchange and channel erosion. Several of these plans involve extensive benthic disturbance to the bottom of the slough, which is within the sanctuary. Comments on the Draft Final Report are requested by April 14.

On Friday April 4, 2008 Sanctuary Integrated Monitoring Network (SIMoN) staff presented a paper on the invasive Asian kelp *Undaria pinnatifida* at the annual conference hosted by the California-Nevada chapters of the American Fisheries Society. This year's theme was "Fishery sleuths seeking solutions for stressed ecosystems" and was attended by several hundred academic and agency scientists. Dr. Steve Lonhart was invited to speak at the technical session on invasive species. Invasive species are increasing in aquatic systems, and sharing information at scientific meetings facilitates more efficient and effective coordination.

On April 3, Monterey Bay National Marine Sanctuary (MBNMS) staff attended a planning meeting for an upcoming fall conference that will be hosted by the Central Coast Wetlands Working Group and supported by the National Marine Sanctuary Program's West Coast Regional office. The Working Group is an association of representatives from state and regional government, universities, non-profit organizations, and wetland professionals aimed towards protecting the wetland resources within the coastal watersheds of central California. Several of the proposed conference topics parallel the goals of the MBNMS Water Quality Protection Action Plans. The workshop is scheduled for late September 2008.

RESOURCE PROTECTION

On February 7th, the Citizen Watershed Monitoring Network held their annual Urban Watch/First Flush Volunteer appreciation party. Volunteers were invited to the Monterey Yacht Club for an hour of socializing and appetizers, followed by an hour presentation of program results. Nearly 20 of the programs' 50 volunteers attended. The appreciation party was funded by the Stormwater and Education Alliance. Reports from Snapshot Day 2007 and Urban Watch 2007 are posted on the Network website.

On February 14th, Carolyn Skinder, Water Quality Liaison for the Water Quality Protection Program, presented the results of a survey of 35 citizen water monitoring groups from around CA at the CA Surface Water Ambient Monitoring Program's quarterly meeting in Riverside, CA. This project is a statewide effort to ensure that citizen collected data is accessible and used to fill information gaps, establish trends, and to influence policy decisions regarding water quality throughout the state. The results from the citizen groups strongly supported the need to incorporate citizen monitoring data into a centralized state database. Ninety-four percent of the citizen groups wanted the data they collected to be used by the state. In addition, all of the State Water Resources Control Board representatives interviewed, welcomed citizen data to fill specific temporal and/or spatial needs around the state.

On February 19th, Deirdre Whalen, Permit Coordinator, conducted a site visit with Paul Davis, architect from "Paul Davis Partnership Architects and Planners" to discuss the Monterey Beach Hotel seawall located on the ocean side of highway one in Monterey. This

hotel precedes both the Coastal Act and MBNMS designation. The hotel has been suffering from aggressive erosion exacerbated by winter storms over the past several years. Recently the California Coastal Commission approved the issuance of a Coastal Development Permit, which will allow the hotel to install a new perimeter seawall. Discussions between Deirdre and Paul revolved around the primary point of whether this proposed new work would be occurring within sanctuary jurisdiction. Paul committed to supplying updated engineering plans depicting the mean high water line within the next few weeks. Discussions will continue once this information is received. The SIMoN program may be of interest to Italian MPA monitoring efforts.

On March 11th, Bridget Hoover, Director of Water Quality Protection Program (WQPP), presented a comparative analysis document to representatives of the Central Coast Integrated Regional Water Management programs (IRWMP). There are six program areas stretching from Santa Cruz county south to Santa Barbara County all with their own priorities and programs to address water supply, flooding, water quality, and environmental protection. The MBNMS did an analysis of all six plans comparing them with each other and with the strategies in the WQPP Action Plans to identify commonalities and region-wide priorities. These plans will determine how \$52 million for this region will be allocated from Prop 84 funding.

On March 12th, Sanctuary staff attended the Coast and Oceans Regional Round Table workshop in San Luis Obispo. Staff participated in the planning process to initiate a regional dialogue to explore new directions in integrating marine policy with land use policy for the Central Coast. The goals are to identify local priorities and important action that also support the new statewide goals, linking local policies and programs with federal and state efforts to implement strategic coast and ocean protection. A similar workshop will take place in Monterey County on March 24th.

The MBNMS Citizen Watershed Monitoring Network has just released its 2007 First Flush Report. In it's seventh year, the First Flush program utilizes volunteer to monitor 29 Sanctuary storm drains during the first significant storm of the season. This year, the First Flush occurred on September 22nd, 2007. A copy of the report will be available online at <http://montereybay.noaa.gov/monitoringnetwork/events.html#reports>.

MBNMS Water Quality Protection Program staff met with Stanley Kulakow, an engineer for Sand City. Mr. Kulakow is conducting a study for the city to determine if a desalinization facility is feasible. WQPP staff supplied Mr. Kulakow with their First Flush data from the Bay Street outfall, which drains Sand City; he plans to use the data as part of his study.

On March 26, National Marine Sanctuary leadership and staff of the Monterey Bay and West Coast Regional Office met with leadership and staff of NOAA Fisheries Southwest Region and Southwest Fisheries Science Center to improve communication and coordination related to west coast ecosystem based management, fisheries, and marine protected areas.

On April 9, Scott Kathey gave a presentation to approximately 45 members of the Monterey Kiwanis Club regarding ocean governance entitled "Who Owns the Ocean?" The presentation at the Hyatt Park Lane Residence, Monterey covered basic information about the NMSP and MBNMS, as well as the current state of ocean policy in the United States and California.

Sanctuary staff conducted a site visit on April 10th at the new hotel development currently under construction along the bike path in Monterey. This hotel will be known as "The Clement, Monterey". Although this hotel was approved well before MBNMS designation, sanctuary staff were able to work with the developer and other agencies to provide some measure of resource protection. The site visit goal was twofold. Firstly, to inspect the final construction of the boardwalk and promenade areas built alongside and above intertidal areas to ensure they comply with MBNMS authorization of the Coastal Commission permit, and secondly to investigate the opportunity for signage. Staff were pleased to see that the MBNMS required cutouts were in place on the boardwalk and that a wide swath of intertidal areas remain open to sunlight. Education staff will continue to pursue signage opportunities with the developer.

Emergency Response and Enforcement

On February 6, an 18-ft fiberglass motorboat ran aground near Cypress Point with two persons onboard. Both made it ashore without injury. The vessel was uninsured; however, the owner hired a salvor who removed the hull the following day. Two external fuel tanks were recovered the day of the grounding, and there was no spill of fuel. A 70 hp outboard motor and a smaller auxiliary outboard motor were not recovered. The owner is searching for them. The upper edges of the hull were broken off and unrecovered. NOAA OLE has initiated an investigation.

At 0300 hours on February 9, 2008, the 46-ft *S/V Bobby McGee*, ran aground on rocks in Stillwater Cove after its anchor line parted. The person on board was assisted ashore by a Coast Guard swimmer and suffered no injuries. There was no fuel spill of the 110 gallons of diesel onboard. The vessel was insured, and a salvor was quickly mobilized to tow the vessel off the rocks after the hull was

inspected for watertight integrity. The vessel was pulled off the rocks at 1022 hours the same day, on a rising tide, and towed to Moss Landing Harbor without further incident. NOAA OLE has initiated an investigation.

On February 14, the 40-ft *F/V VENGEANCE* sank at anchor at the west moorings of Monterey Harbor with an estimated 50 gallons of diesel aboard. Harbor staff and the Coast Guard responded quickly. The vessel was outside Sanctuary boundaries but released some fuel that may have entered Sanctuary waters. NOAA OLE is investigating.

EDUCATION, VOLUNTEER AND OUTREACH PROGRAMS

On January 28th, Monterey Bay and Channel Islands NMS Education staff presented at a Sanctuaries Caucus luncheon, organized by the National Marine Sanctuary Foundation at the request of Congresswoman Ileana Ros-Lehtinen. The luncheon's focus was primarily to update congressional staff on some of the program's premiere Education and Outreach programs. Multicultural Education for Resource Issues Threatening Oceans (MERITO) and Bay Watershed Education and Training programs were highlighted as was the programs OceansLIVE! website and programming.

Education staff met with the architectural design firm Thomas Hacker Architects, to work through preferred finishes for the building's interior and exterior. The architectural plans are almost to 95% and will remain at this stage until funds for construction are accrued. The MBNMS is coordinating all building plans with NMSP staff in Sliver Spring and with Support Center staff in Seattle.

Lisa Uttal and Seaberry Nachbar met with curriculum developers David Heil & Associates, local fishermen, teachers and advisers to discuss the next draft of the Voices of the Bay Fisheries Education Program curriculum. They met with processors and fishermen at Moss Landing harbor, as well as a meeting with six area teachers to formulate the type of curriculum that will be most useful in the classroom. The goal is to produce 3 lesson plans that will be piloted during the Spring, 2008.

On March 1, the Monterey Bay National Marine Sanctuary's Multicultural Education for Resource Issues program (MERITO) hosted a follow-up workshop for 23 teachers and youth leaders implementing the MERITO Academy After-school Program. The workshop was hosted by the Patrick J. Fitz Wetlands Educational Resource Center and the City of Watsonville's Nature Center. MBNMS staff and guest speakers covered topics such as sand crab monitoring, mudflat explorations, a wetlands hike and introductions to lessons found in the new MERITO Academy Activity Guide.

On March 28, Education staff met with the Mayor of Salinas, Dennis Donohue to discuss the role of the Monterey Bay National Marine Sanctuary's Multicultural Education for Resource Issues program (MERITO) in Salinas. This important needs assessment is directed at defining the scope of adult bilingual Spanish programming the MERITO will develop and deliver with numerous partners in the City of Salinas. The needs assessment should be completed in July.

During the month of March 2008, the Monterey Bay National Marine Sanctuary's Multicultural Education for Resource Issues Threatening Oceans (MERITO) reached 142 students from four programs in Freedom, Marina, Seaside and Watsonville. MERITO has introduced 320 students to its MERITO Academy program during the 2007-2008 academic year. Activities included tidepooling, hiking at Point Lobos State Reserve, rock climbing, plankton tows, a visit to a plankton lab and hiking at Elkhorn Slough National Estuarine Research Reserve. This sanctuary and Bay Watershed Education and Training funded program provides hands-on, inquiry based watershed and ocean science experiences for 5th to 8th grade students who are predominately English language learners.

The Monterey Bay National Marine Sanctuary celebrated community support and stewardship of the sanctuary at our annual awards event on April 4th at the Monterey Marriott. More than 150 people attended a reception honoring the many dedicated volunteers and community members who have contributed greatly to the sanctuary's mission and goals. Volunteers were recognized from a variety of MBNMS volunteer programs including the Citizen Watershed Monitoring Network, Beach COMBERs (beach monitors), Bay Net (shoreline docents), Coastal Discovery Center (interpretive docents) and Team Ocean (on-the-water interpretive docents). In addition we announced our 2007 Volunteer of the Year, Phil Adams. We also recognized the support of our Sanctuary Advisory Council, Research, Education, Conservation and Business Working Groups and presented awards to individuals and organizations that have contributed significantly to sanctuary goals through education, conservation, research, business, government and public involvement.

Monterey Bay Sanctuary education staff attended the Telepresence and Education Workshop in Mystic Connecticut, April 7-8. The workshop goals were to identify the potential telepresence programs and products of the 24 participants; to discuss opportunities for collaboration and to identify programming gaps. The Sanctuary's OceansLive education portal, Immersion Presents' 2009 programming, The Institute for Exploration's Inner Space Center at the University of Rhode Island and the NOAA R/V Okeanos Explorer were the main topics covered over the two day workshop. Notes and action items will be produced shortly.

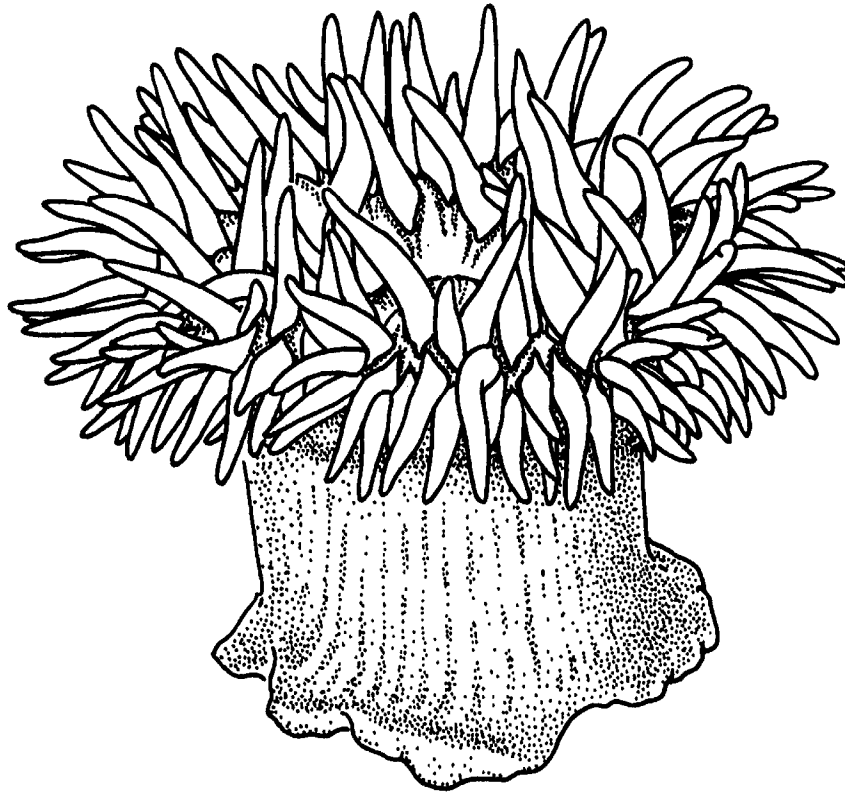
SIGNIFICANT NEWS COVERAGE

- 1/30/08 – San Mateo County Times, “Cleanup of tar balls resumes on Peninsula, Coast Guard sets up command post in Pacifica as beaches closed,” By Julia Scott, Staff Writer
- 2/02/08 – San Luis Obispo Tribune, “Seven creeks designated critical habitat for tidewater goby,” By David Sneed
- 2/03/08 – Marin Independent Journal, “Warning remains in effect after sewage spill”, By Joe Wolfcale
- 2/04/08 – PGATOUR.com, “America's best golf destinations: Pebble Beach,” By Ceri Mobley, PGATOUR.com Associate Site Producer
- 2/08/08 – Monterey County Herald, “Navy ordered to limit sonar use Protected areas include Monterey Bay”, By Bob Egelko
- 2/11/08 – Alameda Times Star, “Seals ready for pupping season, Experts warn observers to keep their distance”, By Julia Scott, Staff Writer
- 02/14/08 – Monterey County Herald, “Pheromone spraying to fight apple moth will resume in June, Release of stingless wasps in Carmel, Marina, Seaside latest strategy in fighting apple moth”, Herald Staff Report
- 3/15/08 – The Muse Student News, “‘All the possibilities that do exist under the oceans’, Satellite technology brings kids on seafaring adventure”, By Sheena Goodyear
- 3/17/08 – The Salinas Californian, “Salmon ban has ripple effect, Fishermen, local businesses will take economic hit” By Maria Ines Zamudio
- 3/17/08 – Monterey County Herald, “Salmonless fishing season: For commercial and recreational anglers, it's a disaster”, By Jim Johnson, Herald Salinas Bureau
- 3/18/08 – InsideBayArea.com, “Salmon collapse leaves fishermen high and dry, Financial hopes of industry now center on federal aid”, By Julia Scott, Staff Writer
- 3/18/08 – Associated Press, “Ship's Pilot Charged in SF Bay Oil Spill”, By Scott Lindlaw
- 3/19/08 – Half Moon Bay Review, “Salmon season appears to be over before it started, Pillar Point Harbor takes another punch”, By David F. Smydra Jr.
- 3/21/08 – Santa Cruz Sentinel, “Pilot desal plant up and pumping in Santa Cruz” By Shanna McCord, Sentinel Staff Writer
- 3/21/08 – Monterey County Herald, “Government may act on fisheries failure”, By Jeff Barnard, Associated Press
- 3/23/08 – Sacbee.com, “Ships fail test for spill alerts, Many vessels unable to notify authorities quickly after an incident, state inspectors find.” By Matt Weiser
- 3/26/08 – Monterey County Herald, “Reservoir may be reactivated, P.G. OKs study on recycling rainwater By Kevin Howe, Herald Staff Writer
- 3/26/08 – Santa Cruz Sentinel, “Santa Cruz Sentinel March 26, Sardines re-emergence in the Monterey Bay”, By Melissa Schilling, Sentinel Correspondent
- 3/31/08 – San Mateo County Times, “Pillar Point dredging no simple issue”, By Julia Scott, Staff Writer

4/06/08 – San Francisco Chronicle, “Health problems reported after aerial spraying” By Jane Kay, Chronicle Environment Writer

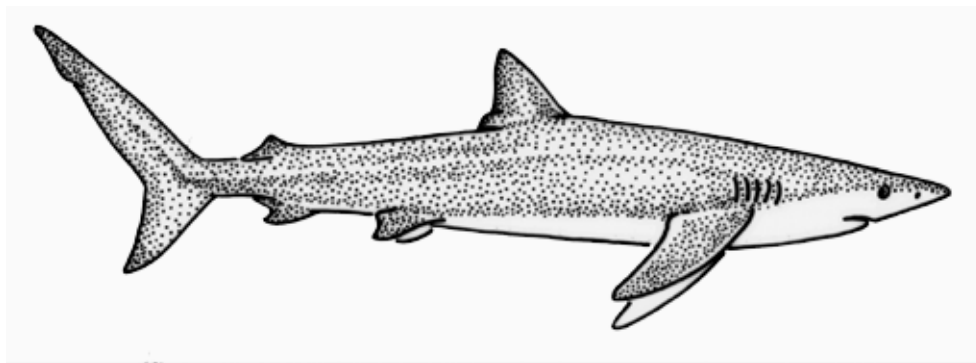
04/07/08 – San Francisco Chronicle, Health problems reported after aerial spraying” By Jane Kay, Chronicle Environment Writer

04/11/08 – Carmel Pine Cone, “Water district desal plant back on drawing board” By Kelly Nix



SANCTUARY EVENTS CALENDAR

<i>18-Apr</i>	Sanctuary Advisory Council Meeting, Salinas. Contact Nicole Capps at (831) 647-4206
<i>9-May</i>	Research Activity Panel (RAP) Meeting, Elkhorn Slough, NERR. Contact Andrew DeVogelaere at (831) 647-4213
<i>20-May</i>	Sanctuary Advisory Council Fulmar Cruise. Contact Nicole Capps at (831) 647-4206
<i>20-Jun</i>	Sanctuary Advisory Council Meeting, Santa Cruz. Contact Nicole Capps at (831) 647-4206
<i>11-Jul</i>	Research Activity Panel (RAP) Meeting, USGS, Santa Cruz. Contact Andrew DeVogelaere at (831) 647-4213
<i>15-Aug</i>	Sanctuary Advisory Council Meeting, Watsonville. Contact Nicole Capps at (831) 647-4206
<i>12-Sep</i>	Research Activity Panel (RAP) Meeting, CDFG, Monterey. Contact Andrew DeVogelaere at (831) 647-4213
<i>17-Oct</i>	Sanctuary Advisory Council Meeting, Cambria. Contact Nicole Capps at (831) 647-4206
<i>14-Nov</i>	Research Activity Panel (RAP) Meeting, Moss Landing Marine Labs. Contact Andrew DeVogelaere at (831) 647-4213
<i>19-Dec</i>	Sanctuary Advisory Council Meeting, Monterey. Contact Nicole Capps at (831) 647-4206



WEB SITE (<http://montereybay.noaa.gov/>)

Recent Updates

Visit the web pages listed below to see recently updated sections of the MBNMS web site.

- MBNMS Advisory Council Recruitment
<http://montereybay.noaa.gov/sac/2008/recruit08v2/031908covlet.html>
- Joint Management Plan Supplemental Draft EIS
<http://montereybay.noaa.gov/new/welcome.html#sdeis>

*Please take a few moments to peruse the site. Your feedback is greatly appreciated.
Comments and suggestions can be sent to andrew.white@noaa.gov.*

FUN, OCEAN RELATED WEB SITES

Encyclopedia of the Sanctuaries

<http://www.ocean.com/Library/Encyclopedia/>

Oceans Live

<http://www.oceanslive.org/portal/>

SIMON

www.mbnms-simon.org

National Marine Sanctuary Program

<http://www.sanctuaries.nos.noaa.gov/>

NOAA National Centers for Coastal Ocean Science

<http://coastalscience.noaa.gov/>

National Estuarine Research Reserve System

<http://nerrs.noaa.gov/>

NOAA Ocean Explorer

<http://oceanexplorer.noaa.gov/>

National Data Buoy Center

<http://www.ndbc.noaa.gov/rmd.shtml>

National Ocean Service

<http://www.nos.noaa.gov/>

National Oceanic & Atmospheric Administration

<http://www.noaa.gov/>

Thank You Ocean

<http://www.thankyouocean.org/>

Learn More About Your Sanctuary

The Sanctuary Office Report is produced bi-monthly by the Monterey Bay National Marine Sanctuary in conjunction with Sanctuary Advisory Council meetings. To learn more about the Sanctuary please visit our web site at: <http://www.montereybay.noaa.gov>.

To learn more about the Sanctuary Advisory Council please visit:
<http://www.montereybay.noaa.gov/intro/advisory.html>

The National Marine Sanctuary Program

The Monterey Bay National Marine Sanctuary is one of 13 marine sanctuaries in the National Marine Sanctuary Program. This program was established under the National Marine Sanctuaries Act of 1972 which authorizes the Secretary of Commerce to designate as national marine sanctuaries areas of the marine environment or Great Lakes with special national significance due to their conservation, recreational, ecological, historical, scientific, cultural, archeological, educational, or aesthetic qualities. Visit the NMSP web site at: <http://www.sanctuaries.nos.noaa.gov/>

Get involved and stay informed!

To learn how to get involved in the Sanctuary visit:
<http://montereybay.noaa.gov/educate/internship.html>

Sign up for the MBNMS listserv to receive email notices about upcoming Sanctuary events, and public meetings of the Sanctuary Advisory Council and its Working Groups:
<http://montereybay.noaa.gov/discussiongroups/disgroups.html>.



MBNMS Staff

Paul Michel – Superintendent
Andrew DeVogelaere – Research Coordinator
Erica Burton – Research Assistant
Jennifer Brown – Research Associate
Steve Lonhart – SIMoN Scientist
Jean de Marignac – SIMoN Scientist
Chad King – SIMoN Data Analyst
Josh Pederson – SIMoN Outreach Specialist
Gary Conley – SIMoN Water Quality Analyst
Dawn Hayes – Education & Outreach Coordinator
Liz Love – Education Specialist
Lisa Emanuelson – Resource Issue Ed Specialist
Sonya Padron – Bilingual Education Specialist
Michele Roest – Education & Outreach Specialist, San Simeon Office
Lisa Uttal – Education and Outreach Specialist
Scott Kathey – Regulatory Coordinator
Deirdre Hall – Permit Coordinator
Brad Damitz – Environmental Policy Specialist
Lisa Lurie – Agriculture Water Quality Coordinator
Bridget Hoover – Water Quality Protection Program Director
Anna Holden – Water Quality Network Coordinator
Lisa de Marignac – Environmental Policy Specialist
Lisa Wooninck – Resource Protection Specialist
Karen Grimmer – Program Operations Coordinator
Raymond Chisolm – Program Specialist
Nicole Capps – Advisory Council Coordinator
Christian Walters – Administrative Assistant
Andrew White – Network Manager
Sophie De Beukelaer – GIS Analyst
David Minard – R/V Fulmar Captain
Hans Burning – R/V Fulmar Operator
Erik Larson – R/V Fulmar Operator
Jaime Wasser – Marine Operations Coordinator/NOAA Corps
Hugo Selbie – Sea Grant Fellow

- Contact Information -

Monterey Bay National Marine Sanctuary

299 Foam Street
Monterey, CA 93940
Phone (831) 647-4201
Fax (831) 647-4250